

ZX-H0250 pendant luminaire



ZX-H0250 (model JY-C1) is a linear pendant luminaire for dining and reading areas, with a downward main light engine and a separate gold-light capsule. Four modes are available: dining (2,700 K), reading and study (4,000 K), a care setting that combines the 4,000 K engine with the gold light, and a sleep setting on the 1,800 K gold capsule alone. Brightness and colour temperature are adjusted steplessly from 10 % to 100 % from the remote control or the mobile app, and a night-light function is included. The measured output is 2,139 lm in the care setting and 2,018 lm in reading mode, with a measured colour rendering index of Ra 96.7 – 97.6 and UGR < 13. The body is steel and aluminium with an acrylic diffuser.

Features

Light output (measured)	Dining 1,773 lm · Reading 2,018 lm · Care (4,000 K + gold) 2,139 lm · Sleep gold light 47 lm
Rated power / current	60 W / 0.35 A (measured 60.4 – 67.3 W)
Operating modes	4 — dining (2,700 K), reading and study (4,000 K), care (4,000 K + 1,800 K gold), sleep (1,800 K gold)
Dimming / control	Stepless 10 – 100 % brightness and colour temperature from the remote control or the mobile app
Colour temperature	1,800 K – 4,000 K
Colour rendering (measured)	Ra 97.1 (2,700 K) · Ra 97.6 (4,000 K) · Ra 96.7 (4,000 K + gold) · R9 99 / 94 / 86
Colour consistency (measured)	SDCM 4.6 (2,700 K) · 6.8 (4,000 K) · 4.8 (4,000 K + gold)
Glare / flicker	UGR < 13 · no visible flicker
Illuminance on the desk (declared)	Centre ≥ 1,200 lx · average ≥ 300 lx · uniformity ≤ 1.2 · spatial uniformity 0.9
Night light	Included
Light source	Main light 2835 × 310 pcs (0.5 W) · gold-light capsule 5050 × 26 pcs (0.2 W, phosphor-free multi-primary)
Optical design / safety	Downward-emitting with acrylic diffuser · RG0 (exempt group)
Certification	Five TÜV SÜD test certificates — radiation, flicker, blue light, colour rendering and illuminance · 3C certificate 2024011001692119
Product size / weight	L 1,200 × W 200 × H 35 mm · 6.5 kg net / 7.0 kg gross · 1.5 m adjustable suspension
Warranty	5 years

Application areas

Dining areas, reading areas and residential interiors.

Technical data

Series / model name	KN-0250 · JY-C1
Input voltage	AC 220 – 240 V, 50 Hz
Rated power	60 W (measured 60.4 – 67.3 W)
Rated current	0.35 A
Light output (measured)	Dining 1,773 lm · Reading 2,018 lm · Care 2,139 lm · Sleep gold light 47 lm
Luminous efficacy (measured)	28.0 – 33.4 lm/W (main engine); 6.8 lm/W for the gold capsule alone
Colour temperature	1,800 K gold capsule · 2,700 K · 4,000 K main engine
Colour rendering index (measured)	Ra 97.1 · R9 99 (2,700 K) · Ra 97.6 · R9 94 (4,000 K) · Ra 96.7 · R9 86 (4,000 K + gold)
Colour consistency (measured)	SDCM 4.6 (2,700 K) · 6.8 (4,000 K) · 4.8 (4,000 K + gold)
Glare	UGR < 13
Flicker	No visible flicker
Illuminance (declared)	Centre ≥ 1,200 lx · average ≥ 300 lx · uniformity ≤ 1.2
Dimming method	Stepless 10 – 100 % brightness and colour temperature, operated from the remote control or the mobile app
Mode selection	3 + 1 scene modes with a night-light setting
Light source	Main light 2835 × 310 pcs (0.5 W) · gold-light capsule 5050 × 26 pcs (0.2 W, phosphor-free multi-primary)
Optical design	Downward-emitting acrylic diffuser
Photobiological safety	RG0 (exempt group)
Product size	L 1,200 × W 200 × H 35 mm · ceiling plate 65 × 6 × 41 mm · 1.5 m adjustable suspension
Material	Steel and aluminium body with acrylic diffuser
Net weight / gross weight	6.5 kg / 7.0 kg
Certification / warranty	CE · RoHS · UL · 5 years

Light output modes

Mode	Light engine	Colour temperature	Luminous flux (measured)	Dimming
Dining	Main light, downward	2,700 K	1,773 lm	Stepless 10 – 100 %
Reading and study	Main light, downward	4,000 K	2,018 lm	Stepless 10 – 100 %
Care	Main light + gold capsule	4,000 K + 1,800 K gold	2,139 lm	Stepless 10 – 100 %
Sleep	Gold capsule only	1,800 K	47 lm	Low level

All four modes are recalled from the remote control or the mobile app; brightness and colour temperature are adjusted steplessly between 10 % and 100 %.

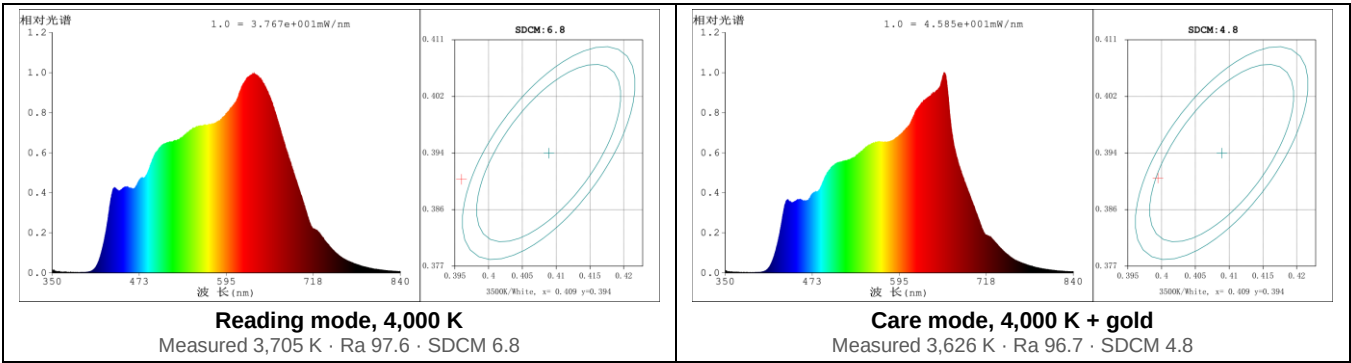
Measured performance (integrating sphere)

Setting	Measured CCT	Luminous flux	Power	Efficacy	Ra	R9	SDCM
Dining (2,700 K)	2,623 K	1,773 lm	63.3 W	28.0 lm/W	97.1	99	4.6
Reading (4,000 K)	3,705 K	2,018 lm	60.4 W	33.4 lm/W	97.6	94	6.8
Care (4,000 K + gold)	3,626 K	2,139 lm	67.3 W	31.8 lm/W	96.7	86	4.8
Gold capsule only	1,640 K	47 lm	6.8 W	6.8 lm/W	61.0	0	68.0

Integrating-sphere measurement of the complete luminaire at AC 221 V, 50 Hz. The gold capsule is a decorative 1,800 K channel; measured on its own it gives a low luminous flux and a very low colour rendering index, which is normal for a phosphor-free multi-primary source.

Photometric data

Relative spectral power distribution and colour-ellipse (SDCM) plots, measured at rated output.



Measured with an EVERFINE HaasSuite spectroradiometer system (test records KN-0250). The right-hand panel of each figure is the colour-ellipse plot produced by the instrument.

Installation and safety notices

For indoor use only. Do not use the luminaire in damp areas or near water.

Connect the luminaire only to a mains socket matching the rated voltage, and disconnect it from the mains before cleaning or moving it.

Do not look directly at the light source. Clean the luminaire with a soft dry cloth only, with the luminaire switched off and cooled down.

Do not cover the light output surface with any material. Repair and replacement of the light source or the control gear must be carried out by a qualified person.

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Certification: CE · RoHS · UL

All values in this specification are typical values from laboratory measurement of the stated sample; for concrete data and shipping inspection reports please contact us. Information is subject to change without notice.

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